

Webapi

API for EMS system management and monitoring
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BasePath:/api
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Access

Methods

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Default

POST /v1/auth/login

[Up](#)

User authentication (**v1AuthLoginPost**)

Log in with username and password of webapi user to get a token, expiring in 30 minutes

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

credentials [v1_auth_login_post_request](#) (required)*Body Parameter* —**Return type**[v1_auth_login_post_200_response](#)**Example data**

Content-Type: application/json

```
{
  "token" : "mysecrettoken"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Login successful [v1_auth_login_post_200_response](#)**401**

Invalid credentials

GET /v1/date

[Up](#)

Returns current date and timezone (**v1DateGet**)

Return type[v1_date_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "date" : "2025-01-01 00:00:00",
  "tz" : "+00:00 UTC"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Current date and timezone [v1_date_get_200_response](#)

GET /v1/devices

[Up](#)

Returns a map of the devices (**v1DevicesGet**)

Query parameters**uids (optional)***Query Parameter* — Comma-separated list of device UIDs to filter by default: null**protocol (optional)***Query Parameter* — Protocol to filter by default: null**Return type**

[v1_devices_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "devices" : {
    "1" : {
      "uid" : 1,
      "label" : "Main meter",
      "partNumber" : "EMS10AV5S1X",
      "system" : "1P"
    },
    "59" : {
      "uid" : 59,
      "label" : "EM1",
      "partNumber" : "EM24_E1",
      "system" : "1P"
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Map of devices [v1_devices_get_200_response](#)**400**

Bad request

401

Unauthorized

GET /v1/devices/{uid}[Up](#)Returns specific device by UID (**v1DevicesUidGet**)**Path parameters****uid (required)***Path Parameter* — Device UID default: null**Return type**[Device](#)**Example data**

Content-Type: application/json

```
{
  "uid" : 1,
  "system" : "1P",
  "partNumber" : "EMS10AV5S1X",
  "label" : "Main meter"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200Device information [Device](#)**401**

Unauthorized

404

Device not found

GET /v1/devices/{uid}/loads

[Up](#)

Returns a map of loads for specific device (**v1DevicesUidLoadsGet**)

Path parameters

uid (required)*Path Parameter* — Device UID default: null

Return type

[v1_devices_uid_loads_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "loads" : {
    "2" : {
      "uid" : 2,
      "label" : "Main",
      "enable" : true,
      "index" : 1,
      "type" : 0,
      "did" : 1,
      "meterBus" : {
        "main" : true,
        "system" : 0,
        "ct" : 10.0,
        "currentDirections" : 0,
        "digitalInputMode" : 0,
        "digitalOutputMode" : 0,
        "digitalOutputModeNcNo" : 0,
        "measureType" : 0,
        "startUpCurrentRH" : 10
      }
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200Map of loads for the device [v1_devices_uid_loads_get_200_response](#)**401**

Unauthorized

404

Device not found

GET /v1/devices/{uid}/signals

[Up](#)

Returns signals for specific device (**v1DevicesUidSignalsGet**)

Path parameters**uid (required)***Path Parameter* — Device UID default: null**Return type**[v1_devices_uid_signals_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "signals" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "sir" : 29,
      "enable" : true,
      "lid" : 83,
      "did" : 82
    },
    "101" : {
      "uid" : 101,
      "si" : 30,
      "sir" : 30,
      "enable" : true,
      "lid" : 83,
      "did" : 82
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Map of signals for the device [v1_devices_uid_signals_get_200_response](#)**401**

Unauthorized

404

Device not found

GET /v1/devices/{uid}/signals/history[Up](#)Returns historical signals for specific device (**v1DevicesUidSignalsHistoryGet**)**Path parameters****uid (required)***Path Parameter* — Device UID default: null**Query parameters****start (optional)***Query Parameter* — Start timestamp (Unix timestamp in milliseconds) default: null**end (optional)***Query Parameter* — End timestamp (Unix timestamp in milliseconds) default: null**limit (optional)***Query Parameter* — Maximum number of records to return (default 1000) default: null**page (optional)**

Return type[v1_devices_uid_signals_history_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "history" : {
    "3" : [ {
      "uid" : 3,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : 10.5,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }, {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    } ],
    "4" : [ {
      "uid" : 4,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : -93.4,
      "d" : 0.0,
      "max" : 100.0,
      "min" : -100.0
    } ]
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Map of historical signals for the device [v1_devices_uid_signals_history_get_200_response](#)

400

Bad request

401

Unauthorized

404

Device not found

GET /v1/devices/{uid}/signals/history/last

Up

Returns last historical signals for specific device (**v1DevicesUidSignalsHistoryLastGet**)

Path parameters**uid (required)**

Path Parameter — Device UID default: null

Return type[v1_devices_uid_signals_history_last_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "history" : {
    "3" : {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    },
    "4" : {
      "uid" : 4,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : -93.4,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Last historical signals for the device [v1_devices_uid_signals_history_last_get_200_response](#)**401**

Unauthorized

404

Device not found

GET /v1/devices/{uid}/signals/realtime

[Up](#)

Returns realtime signals for specific device (**v1DevicesUidSignalsRealtimeGet**)

Path parameters**uid (required)***Path Parameter* — Device UID default: null**Return type**[v1_devices_uid_signals_realtime_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "realtime" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "v" : 1.0,
      "t" : 1752493029975,

```

```

    "r" : 0,
    "s" : 1
  },
  "101" : {
    "uid" : 101,
    "si" : 30,
    "v" : 2.5,
    "t" : 1752493029975,
    "r" : 0,
    "s" : 1
  }
}
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of realtime signals for the device [_v1_devices__uid_signals_realtime_get_200_response](#)

401

Unauthorized

404

Device not found

GET /v1/firmware

Up

Returns firmware version (**v1FirmwareGet**)

Return type

[_v1_firmware_get_200_response](#)

Example data

Content-Type: application/json

```

{
  "fw" : "EMS_1.0.0.0.250101.000000"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Firmware version [_v1_firmware_get_200_response](#)

GET /v1/loads

Up

Returns Map of loads (**v1LoadsGet**)

Query parameters

uids (optional)

Query Parameter — Comma-separated list of load UUIDs to filter by default: null

protocol (optional)

Query Parameter — Protocol to filter by default: null

Return type[v1_loads_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "loads" : {
    "2" : {
      "uid" : 2,
      "label" : "Main",
      "enable" : true,
      "index" : 1,
      "type" : 0,
      "did" : 1,
      "meterBus" : {
        "main" : true,
        "system" : 0,
        "ct" : 10.0,
        "currentDirections" : 0,
        "digitalInputMode" : 0,
        "digitalOutputMode" : 0,
        "digitalOutputModeNcNo" : 0,
        "measureType" : 0,
        "startUpCurrentRH" : 10
      }
    },
    "60" : {
      "uid" : 60,
      "label" : "EM24 L1",
      "enable" : true,
      "index" : 1,
      "type" : 0,
      "did" : 1,
      "tcp" : {
        "delayOnFrameRetry" : 100,
        "delayOnSlaveChange" : 100,
        "driverId" : 8,
        "frameRepetitionOnError" : 1,
        "frameTimeoutResponse" : 500,
        "interFrameRate" : 10,
        "ip" : "192.168.132.164",
        "load" : "LOAD1",
        "lowLevelLogs" : false,
        "port" : 34163,
        "slaveId" : 1,
        "system" : "1P",
        "timeout" : 500
      }
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Map of loads [v1_loads_get_200_response](#)**400**

Bad request

401

Unauthorized

GET /v1/loads/{uid}

Returns specific load by UID (**v1LoadsUidGet**)

Path parameters

uid (required)

Path Parameter — Load UID default: null

Return type

[Load](#)

Example data

Content-Type: application/json

```
{
  "uid" : 2,
  "label" : "Main",
  "enable" : true,
  "index" : 1,
  "type" : 0,
  "did" : 1,
  "meterBus" : {
    "main" : true,
    "system" : 0,
    "ct" : 10.0,
    "currentDirections" : 0,
    "digitalInputMode" : 0,
    "digitalOutputMode" : 0,
    "digitalOutputModeNcNo" : 0,
    "measureType" : 0,
    "startUpCurrentRH" : 10
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Load information [Load](#)

401

Unauthorized

404

Load not found

GET /v1/loads/{uid}/signals

Returns signals for specific load (**v1LoadsUidSignalsGet**)

Path parameters

uid (required)

Path Parameter — Load UID default: null

Return type

[v1_devices_uid_signals_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "signals" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "sir" : 29,
      "enable" : true,
      "lid" : 83,
      "did" : 82
    },
    "101" : {
      "uid" : 101,
      "si" : 30,
      "sir" : 30,
      "enable" : true,
      "lid" : 83,
      "did" : 82
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of signals for the load [v1_devices_uid_signals_get_200_response](#)

401

Unauthorized

404

Load not found

GET /v1/loads/{uid}/signals/history

[Up](#)

Returns historical signals for specific load (**v1LoadsUidSignalsHistoryGet**)

Path parameters

uid (required)

Path Parameter — Load UID default: null

Query parameters

start (optional)

Query Parameter — Start timestamp (Unix timestamp in milliseconds) default: null

end (optional)

Query Parameter — End timestamp (Unix timestamp in milliseconds) default: null

limit (optional)

Query Parameter — Maximum number of records to return (default 1000) default: null

page (optional)

Query Parameter — Page number (1-based, default 1) default: null

Return type

[v1_devices_uid_signals_history_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "history" : {
    "3" : [ {
      "uid" : 3,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : 10.5,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }, {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    } ],
    "4" : [ {
      "uid" : 4,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : -93.4,
      "d" : 0.0,
      "max" : 100.0,
      "min" : -100.0
    } ]
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of historical signals for the load [_v1_devices__uid__signals_history_get_200_response](#)

400

Bad request

401

Unauthorized

404

Load not found

GET /v1/loads/{uid}/signals/history/last

[Up](#)

Returns last historical signals for specific load (**v1LoadsUidSignalsHistoryLastGet**)

Path parameters

uid (required)

Path Parameter — Load UID default: null

Return type

[_v1_devices__uid__signals_history_last_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "history" : {
```

```

    "3" : {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    },
    "4" : {
      "uid" : 4,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : -93.4,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }
  }
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Last historical signals for the load [_v1_devices_uid_signals_history_last_get_200_response](#)

401

Unauthorized

404

Load not found

GET /v1/loads/{uid}/signals/realtime

[Up](#)

Returns realtime signals for specific load (**v1LoadsUidSignalsRealtimeGet**)

Path parameters

uid (required)

Path Parameter — Load UID default: null

Return type

[_v1_devices_uid_signals_realtime_get_200_response](#)

Example data

Content-Type: application/json

```

{
  "realtime" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "v" : 1.0,
      "t" : 1752493029975,
      "r" : 0,
      "s" : 1
    },
    "101" : {
      "uid" : 101,
      "si" : 30,
      "v" : 2.5,
      "t" : 1752493029975,

```

```
{
  "r" : 0,
  "s" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Map of realtime signals for the load [_v1_devices_uid_signals_realtime_get_200_response](#)

401

Unauthorized

404

Load not found

GET /v1/mac

[Up](#)

Returns MAC address (**v1MacGet**)

Return type

[_v1_mac_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "mac" : "00:1A:2B:3C:4D:5E"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

MAC address [_v1_mac_get_200_response](#)

GET /v1/part-number

[Up](#)

Returns part number (**v1PartNumberGet**)

Return type

[_v1_part_number_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "pn" : "EMS10AV5S1X"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Part number [v1_part_number_get_200_response](#)

GET /v1/serial-number

Up

Returns the EMS serial number (**v1SerialNumberGet**)

Return type

[v1_serial_number_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "sn" : "BX10000000"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

EMS serial number [v1_serial_number_get_200_response](#)

GET /v1/signals

Up

Returns Map of signals (**v1SignalsGet**)

Query parameters

uids (optional)

Query Parameter — Comma-separated list of signal UIDs to filter by default: null

limit (optional)

Query Parameter — Maximum number of records to return (default 1000) default: null

page (optional)

Query Parameter — Page number (1-based, default 1) default: null

Return type

[v1_devices__uid__signals_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "signals" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "sir" : 29,
      "enable" : true,
      "lid" : 83,
      "did" : 82
    },
    "101" : {
      "uid" : 101,
      "si" : 30,
      "sir" : 30,
      "enable" : true,
      "lid" : 83,

```

```
    "did" : 82
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of signals [_v1_devices__uid__signals_get_200_response](#)

400

Bad request

401

Unauthorized

GET /v1/signals/history

[Up](#)

Returns historical signals (**v1SignalsHistoryGet**)

Query parameters

uids (optional)

Query Parameter — Comma-separated list of signal UIDs to filter by default: null

start (optional)

Query Parameter — Start timestamp (Unix timestamp in milliseconds) default: null

end (optional)

Query Parameter — End timestamp (Unix timestamp in milliseconds) default: null

limit (optional)

Query Parameter — Maximum number of records to return (default 1000) default: null

page (optional)

Query Parameter — Page number (1-based, default 1) default: null

Return type

[_v1_devices__uid__signals_history_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "history" : {
    "3" : [ {
      "uid" : 3,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : 10.5,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }, {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    } ],
    "4" : [ {
      "uid" : 4,
```

```

    "t" : 1735689659,
    "p" : 1735689660,
    "v" : -93.4,
    "d" : 0.0,
    "max" : 100.0,
    "min" : -100.0
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of historical signals [_v1_devices__uid__signals_history_get_200_response](#)

400

Bad request

401

Unauthorized

GET /v1/signals/history/last

[Up](#)

Returns last historical signals (**v1SignalsHistoryLastGet**)

Query parameters

uids (optional)

Query Parameter — Comma-separated list of signal UIDs to filter by default: null

limit (optional)

Query Parameter — Maximum number of records to return (default 1000) default: null

page (optional)

Query Parameter — Page number (1-based, default 1) default: null

Return type

[_v1_devices__uid__signals_history_last_get_200_response](#)

Example data

Content-Type: application/json

```

{
  "history" : {
    "3" : {
      "uid" : 3,
      "t" : 1735689719,
      "p" : 1735689720,
      "v" : 9.3,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    },
    "4" : {
      "uid" : 4,
      "t" : 1735689659,
      "p" : 1735689660,
      "v" : -93.4,
      "d" : 0.0,
      "max" : 100.0,
      "min" : 0.0
    }
  }
}

```

```
}
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of last historical signals [_v1_devices__uid__signals_history_last_get_200_response](#)

400

Bad request

GET /v1/signals/realtime

[Up](#)

Returns realtime signals (**v1SignalsRealtimeGet**)

Query parameters

uids (optional)

Query Parameter — Comma-separated list of signal UIDs to filter by default: null

limit (optional)

Query Parameter — Maximum number of records to return (default 1000) default: null

page (optional)

Query Parameter — Page number (1-based, default 1) default: null

Return type

[_v1_devices__uid__signals_realtime_get_200_response](#)

Example data

Content-Type: application/json

```
{
  "realtime" : {
    "100" : {
      "uid" : 100,
      "si" : 29,
      "v" : 1.0,
      "t" : 1752493029975,
      "r" : 0,
      "s" : 1
    },
    "101" : {
      "uid" : 101,
      "si" : 30,
      "v" : 2.5,
      "t" : 1752493029975,
      "r" : 0,
      "s" : 1
    }
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Map of realtime signals [_v1_devices__uid__signals_realtime_get_200_response](#)

400

Bad request

401

Unauthorized

GET /v1/signals/{uid}

Up

Returns specific signal by UID (**v1SignalsUidGet**)

Path parameters

uid (required)*Path Parameter* — Signal UID default: null

Return type

[Signal](#)

Example data

Content-Type: application/json

```
{
  "uid" : 0,
  "si" : 6,
  "enable" : true,
  "lid" : 5,
  "sir" : 1,
  "did" : 5
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200Signal information [Signal](#)**401**

Unauthorized

404

Signal not found

GET /v1/signals/{uid}/history

Up

Returns historical data for specific signal (**v1SignalsUidHistoryGet**)

Path parameters

uid (required)*Path Parameter* — Signal UID default: null

Query parameters

start (optional)*Query Parameter* — Start timestamp (Unix timestamp in milliseconds) default: null**end (optional)***Query Parameter* — End timestamp (Unix timestamp in milliseconds) default: null**limit (optional)***Query Parameter* — Maximum number of records to return (default 1000) default: null**page (optional)***Query Parameter* — Page number (1-based, default 1) default: null

Return typearray[[History](#)]**Example data**

Content-Type: application/json

```
[ {
  "p" : 1,
  "uid" : 0,
  "min" : 7.0614014,
  "t" : 6,
  "d" : 5.637377,
  "max" : 2.302136,
  "v" : 5.962134
}, {
  "p" : 1,
  "uid" : 0,
  "min" : 7.0614014,
  "t" : 6,
  "d" : 5.637377,
  "max" : 2.302136,
  "v" : 5.962134
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Historical signal data

400

Bad request

401

Unauthorized

404

Signal not found

GET /v1/signals/{uid}/history/last

[Up](#)

Returns last historical data for specific signal (**v1SignalsUidHistoryLastGet**)

Path parameters**uid (required)***Path Parameter* — Signal UID default: null**Return type**[History](#)**Example data**

Content-Type: application/json

```
{
  "p" : 1,
  "uid" : 0,
  "min" : 7.0614014,
  "t" : 6,
  "d" : 5.637377,
  "max" : 2.302136,
  "v" : 5.962134
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Last historical signal data [History](#).

GET /v1/signals/{uid}/realtime

Up

Returns realtime data for specific signal (**v1SignalsUidRealtimeGet**)

Path parameters**uid (required)***Path Parameter* — Signal UID default: null**Return type**[Realtime](#)**Example data**

Content-Type: application/json

```
{
  "uid" : 0,
  "r" : 5,
  "s" : 5,
  "t" : true,
  "si" : 6,
  "v" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**Realtime signal data [Realtime](#)**401**

Unauthorized

404

Signal not found

GET /ver

Up

Returns API version (**verGet**)

Return type[_ver_get_200_response](#)**Example data**

Content-Type: application/json

```
{
  "api_ver" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

API version [_ver_get_200_response](#)

Models

[[Jump to Methods](#)]

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Device -

[Up](#)

uid (optional)

[Integer](#) Device UID.

label (optional)

[String](#) Device name.

partNumber (optional)

[String](#) Device part number.

system (optional)

[String](#) Device system.

Enum:

1P
2P
3P
3PN
DC
3.1P
2.1P

History -

[Up](#)

uid (optional)

[Integer](#) Signal UID

t (optional)

[Long](#) Timestamp of value acquisition format: int64

p (optional)

[Long](#) Timestamp of value publication format: int64

v (optional)

[Float](#) Signal value format: float

d (optional)

[Float](#) Signal difference format: float

max (optional)

[Float](#) Signal max value format: float

min (optional)

[Float](#) Signal min value format: float

Load -

[Up](#)

uid (optional)

[Integer](#) Load UID.

label (optional)

[String](#) Load name.

enable (optional)

[Boolean](#) Load enable.

index (optional)

[Integer](#) Load index.

type (optional)

[Integer](#) Load type.

did (optional)

[Integer](#) Load device UID.

rtu (optional)

[Object](#)

tcp (optional)

[Object](#)

meterBus (optional)

[Object](#)

virtual (optional)

[Object](#)

P1 (optional)

[Object](#)

Realtime -

[Up](#)

uid (optional)

[Integer](#) Signal UID

si (optional)

[Integer](#) Signal identifier

v (optional)

[Integer](#) Signal value

t (optional)

[Boolean](#) Timestamp of last update

s (optional)

[Integer](#) Signal status

r (optional)

[Integer](#) Signal resolution

Signal -

[Up](#)

uid (optional)

[*Integer*](#) Signal UID

si (optional)

[*Integer*](#) Signal identifier

sir (optional)

[*Integer*](#) Signal identifier read

enable (optional)

[*Boolean*](#) Signal enabled

lid (optional)

[*Integer*](#) Signal load UID

did (optional)

[*Integer*](#) Signal device UID

_v1_auth_login_post_200_response -

[Up](#)

token (optional)

[*String*](#)

_v1_auth_login_post_request -

[Up](#)

username (optional)

[*String*](#)

password (optional)

[*String*](#)

_v1_date_get_200_response -

[Up](#)

date (optional)

[*String*](#)

tz (optional)

[*String*](#)

_v1_devices__uid__loads_get_200_response -

[Up](#)

loads (optional)

[*map\[String, Load\]*](#)

_v1_devices__uid__signals_get_200_response -

[Up](#)

signals (optional)

[*map\[String, Signal\]*](#)

_v1_devices__uid__signals_history_get_200_response -

[Up](#)

history (optional)

[*map\[String, array\[Object\]\]*](#)

_v1_devices__uid__signals_history_last_get_200_response -

[Up](#)

history (optional)

[*map\[String, History\]*](#)

_v1_devices__uid__signals_realtime_get_200_response -

[Up](#)

realtime (optional)
[map\[String, Realtime\]](#)

_v1_devices_get_200_response -

[Up](#)

devices (optional)
[map\[String, Device\]](#)

_v1_firmware_get_200_response -

[Up](#)

fw (optional)
[String](#)

_v1_loads_get_200_response -

[Up](#)

loads (optional)
[map\[String, Load\]](#)

_v1_mac_get_200_response -

[Up](#)

mac (optional)
[String](#)

_v1_part_number_get_200_response -

[Up](#)

pn (optional)
[String](#)

_v1_serial_number_get_200_response -

[Up](#)

sn (optional)
[String](#)

_ver_get_200_response -

[Up](#)

api_ver (optional)
[Integer](#)